

## Statement 8

September 29, 2016

Statement By: Kevin Mottus, California Brain Tumor Association

See Attachments 45, 46, 47, 48, 53

I am strongly opposed to the FCC plan to rollout and auction 5G spectrum technology due to the non-thermal biological health effects created by radiofrequency/microwave radiation or electromagnetic fields (EMF) emitted by wireless transmitters. These documented effects are not recognized and not protected by our current FCC safety standards.

France has recently banned WiFi from nursery schools due to health effects and insists that WiFi be turned off when not in use in higher grades (See Attachment 45). Israel has done the same (See Attachment 46). In other countries such as Sweden they have recognized electrohypersensitivity as a medical condition and acknowledged that it can be disabling (See Attachment 47). In Austria, they have recognized electrohypersensitivity and have started training physicians to treat it (See Attachment 48). This month in the second largest city of Isreal, Haifa the Mayor has ordered WiFi to be removed from all schools due to the concern of health effects. (See Attachment 53). Meanwhile, in this country we continue to pretend that wireless microwave health effects don't even exist and ignore the science that shows serious health effects. We need to follow the lead of these other government bodies by acknowledging these wireless microwave health effects and protect our people from increasing wireless microwave radiation exposures.

I am strongly opposed to the FCC plan to rollout and auction 5G spectrum technology due to the non-thermal biological health effects created by radiofrequency/microwave radiation or electromagnetic fields (EMF) emitted by wireless transmitters. These documented effects are not recognized and not protected by our current FCC safety standards. MD and PhD experts, in the field of wireless microwave radiation health effects, warn us of the serious harm that microwave technology especially 5G along with its required deployment of multiple transmitters, will cause. We ask that you abort your plan to auction 5G spectrum and immediately halt the rollout of 5G technology testing. We need to immediately institute safety standards that take into account non-thermal biological health effects. The research attached and cited shows that, at the power levels required for this technology to operate reliably over the project's large areas, the radiofrequency/microwave radiation will have significant biological health effects, especially on electrohypersensitive individuals and children (Cancer, Neurological effects, immune system disorders, reproductive harm and others). **We are asking that you focus instead on installing only fiber optic wired connection to the Internet along with individualized subsidies to help poor people pay for wired/cabled connection to the Internet. Fiber optic wired connections eliminates wireless microwave radiation transmissions thus eliminating wireless microwave radiation**

**health effects. In addition we insist on instituting RF Exposure standards significantly lower than our current thermal standards as recommended and supported by the Bioinitiative Report ([Bioinitiative.org/conclusions](http://Bioinitiative.org/conclusions)) of 0.0003 microWatts per centimeter squared.**

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